Please enter the following claims containing amendments.

1. (previously presented) An isolated nucleic acid consisting of the nucleic acid sequence of SEQ ID NO:1, or the complement thereof.

2. (previously presented) An isolated nucleic acid consisting of the nucleic acid sequence of SEQ ID NO:2, or the complement thereof.

3. (canceled)

4. (previously presented) A method for producing a non-immune cell granzyme B (GrB-NIC) polypeptide, comprising:

(a) transforming or transfecting a host cell with a nucleic acid comprising the nucleic acid sequence of SEQ ID NO:1, to obtain a transformed or transfected host cell;

(b) culturing the transformed or transfected host cell to obtain a cell culture; and

(c) expressing the nucleic acid in the transformed or transfected host cell;

thereby producing the GrB-NIC polypeptide.

5. (original) The method of claim 4, wherein the host cell is a prokaryotic cell.

6. (original) The method of claim 4, wherein the host cell is a eukaryotic cell.

7. (original) The method of claim 4, wherein said nucleic acid further comprises regulatory elements necessary to express GrB-NIC polypeptide in a eukaryotic host cell.

8. (currently amended) The method of claim 7, wherein said regulatory elements comprise native GrB-NIC regulatory elements within the nucleic acid sequence set forth in SEQ ID NO:1 from position 1 through position ~~1031~~ 1092.

9. (currently amended) A vector comprising a cloned nucleic acid, said cloned nucleic acid consisting of the nucleic acid sequence of SEQ ID NO:1, or the complement thereof.

10. (currently amended) A vector comprising a cloned nucleic acid, said cloned nucleic acid consisting of the nucleic acid sequence of SEQ ID NO:2, or the complement thereof.

76. (previously presented) The method of claim 4, further comprising isolating the GrB-NIC polypeptide from the host cell or cell culture.

77. (previously presented) The vector of claim 10, further comprising regulatory nucleotide sequence elements necessary to express the encoded GrB-NIC polypeptide in a eukaryotic host cell.

78. (currently amended) The vector of claim 77, wherein said regulatory nucleotide sequence elements comprise native GrB-NIC nucleotide sequence elements within the nucleic acid sequence set forth in SEQ ID NO:1 from position 1 through position ~~1031~~ 1092.

79. (previously presented) A vector comprising a cloned nucleic acid sequence encoding the amino acid sequence of SEQ ID NO:3 and further comprising regulatory nucleotide sequence elements necessary to express the encoded GrB-NIC polypeptide in a eukaryotic host cell.

80. (currently amended ) The vector of claim 79, wherein said regulatory nucleotide sequence elements comprise one or more native GrB-NIC nucleotide sequence elements within the nucleic acid sequence set forth in SEQ ID NO:1 from position 1 through position ~~1031~~ 1092.